FEATURES OUR NEW WIRELESS THERMOSTATS

heatmiser
Effective Temperature Control

Stylish **thermostats** for modern living

heatmiser

Dial Type Thermostats

Our range of electronic dial type thermostats are simple to use and offer a greater level of accuracy when compared with standard bi-metallic versions. These thermostats are used in conjunction with a separate programmer.

Surface Mount with LED Indication
DS1 Series

- 2 Models, suitable for water & electric heating systems

Surface Mount for easy installation
The DS1 and DS1-L series are surface mounting for easy installation. Modern styling remains, in keeping with the rest of the Heatmiser range.

Power and Heating Indication
The DS1 series provides power and heating on indication in the form of LEDs.

Surface Mount with LCD Indication
DS1-L Series

- 2 Models, suitable for water & electric heating systems

Dial Lock Facility
The DS1-L series offers a dial lock, allowing you to reduce tampering of the heating system. A simple way of reducing your energy costs.

LCD - Temperature Readout
The DS1-L is equipped with an LCD. A turn of the dial will display the set temperature for 5 seconds before reverting back to the actual room temperature readout.

Flush Mount with Set Back Function
DS-SB

- 1 Model, suitable for radiator and water underfloor heating

Set Back Function
Standard dial thermostats are either on or off according to the time clock controlling the system. A set back thermostat is different. It will follow the temperature set on the dial during the timed period and will automatically reduce the set temperature by 4˚C when its timed to be off.

On/Off/Time Clock Switch
A slide switch on the side of the thermostat allows you to switch between On, Permanent Off or Time Clock. In On mode, the thermostat will maintain the set temperature on the dial, but will ignore the time clock input.

	Air Only Models			Air & Floor Models	
	DS1	DS1-L	DS-SB	DS1-E	DS1-EL
Temperature Range	05-35°C	05-35°C	05-35°C	05-35°C	05-35°C
Mounting Type	Surface	Surface	Flush	Surface	Surface
Set Back Function	No	No	Yes	No	No
Digital Display	No	Yes	No	No	Yes
Time Clock Override Switch	No	No	Yes	No	No
Dial Lock	No	Yes	No	No	Yes
Built In Air Sensor	Yes	Yes	Yes	Yes	Yes
Floor Sensing Mode	No	No	No	Yes	Yes
Floor Probe Included	No	No	No	Yes	Yes
Built In Air & Floor	No	No	No	Yes	Yes
Adjustable Switching Differential	Yes	Yes	No	Yes	Yes
Accuracy	+/-1.5 °C	+/-1.5 °C	+/-1.5 °C	+/-1.5 °C	+/-1.5 °C
Dimensions	92x92x34mm	92x92x34mm	92x92x34mm	92x92x34mm	92x92x34mm
Max Switching Current	3A	3A	3A	13A	13A
Supply	230v	230v	230v	230v	230v
Weight	150g	150g	150g	150g	150g

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Slimline Thermostats

Our range of mains thermostats are "standard" products enabling the replacement of existing thermostats. These products can be used in conjunction with the UH2 and UH3 mains voltage wiring centres

Available in 3 plastic finishes:

Silver

White

Brass

Three ranges

230v Models can be used to upgrade existing thermostats and can be used in conjunction with our UH2 and UH3 wiring centres.

12v Network Models have been designed to work as part of a network system, and can be used in conjunction with our UH1 wiring centre and network products. See pages 12 & 13 for our system overview.

Air/Floor Models are supplied with a remote floor sensor and provide the ability to measure room temperature, floor temperature or both. The DT-E and PRT-E offer 16A switching making them ideal for electric floor heating.

Modern Slimline Appearance

The slimline thermostat series is flush mounting, resulting in a depth of only 13mm after installation.

Energy Saving Optimum start

Most home owners manually allow for a heat up time when programming their heating system. This manual method does not allow for seasonal changes. Optimum start is an energy saving feature that calculates the amount of heat up time required to ensure your home is warm when you wake and return home from work. The thermostat will automatically adjust the heat up time throughout the year, saving you energy.

Temperature Hold Facility

This function allows you to hold a set temperature for a specific duration - ideal for parties. After the hold duration, the thermostat will revert back to the programmed setting.

Holiday Function

The holiday function reduces the set temperature in your home for the duration of your holiday. At the end of your holiday, the thermostat will revert back to the programmed setting, ensuring your home is warm on your return.

Optional Remote Control

All models within our slimline series are compatible with our Infrared remote control (Part Reference: RM1).

Temperature Override

The override facility allows you to adjust the desired temperature in your home without the need to fully re-program the thermostat. This new set temperature will be maintained until the next programmed setting. An override limit function allows you to limit the use of temperature override keys.

	230v Models			12v Network Models				230v Air/Floor Models	
	DT	PRT	PRT/HW	DT-N	PRT-N	PRT/HW-N	PRT-EN	DT-E	PRT-E
Temperature Range	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F
5/2 Day Programming Mode	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
7 Day Programming Mode	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
No of Heating Levels	1	4	4	1	4	4	4	1	4
Optimum Start	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
No of HW Times	0	0	4	0	0	4	0	0	0
Holiday Function	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
Keylock Function	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Temperature Hold Function	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
Temperature Override	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Temperature Override Limit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frost Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Networking Facility	No	No	No	Yes	Yes	Yes	Yes	No	No
°C / °F Option	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Built In Air Sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Floor Sensing Mode	No	No	No	No	No	No	Yes	Yes	Yes
Floor Sensor Included	No	No	No	No	No	No	Yes	Yes	Yes
Max Switching Current	3A	3A	3A	3A	3A	3A	3A	16A	16A
Accuracy	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C
Infrared Remote Control Option	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjustable Switching Differential	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Changeover Output Option	Yes	Yes	No	No	No	No	No	No	No
Supply	230v	230v	230v	12v	12v	12v	12v	230v	230v
Dimensions	98x85x13mm	98x85x13mm	98x85x13mm	98x85x13mm	98x85x13mm	98x85x13mm	98x85x13mm	98x85x13mm	98x85x13mm
Weight	195g	195g	195g	195g	195g	195g	195g	195g	195g

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TouchScreen Thermostats

The TouchScreen series of thermostats have been designed to make life a little easier. The intuitive touchscreen display makes searching for the user manual a thing of the past.

Available in 3 plastic finishes:

Silver

White

Brass

Three ranges

230v Models can be used to upgrade existing thermostats and can be used in conjunction with our UH2 and UH3 wiring centres.

12v Network Models have been designed to work as part of a network system, and can be used in conjunction with our UH1 wiring centre and network products. See page 12 and 13 for our system overview.

Air/Floor Models are supplied with a remote floor sensor and provide the ability to measure room temperature, floor temperature or both. The DT-ETS and PRT-ETS offer 13A switching making them ideal for electric floor heating.

5/2 Day & 7 Day Programming

5/2 Day mode is ideal for those who keep to one schedule Monday - Friday and another for the weekend. 7 Day mode allows you to have a different schedule for each day of the week - ideal for families with changing schedules. No need to decide now, our thermostat offers both modes for you to select later.

Adjustable Switching Differential

Our TouchScreen Series has an adjustable switching differential from 0.5˚C - 3˚C. This function allows you to get even tighter control of your heating system.

Frost Protection

A function designed to protect your home against frost. An adjustable frost temperature level can be programmed, between 7˚C-17˚C, ensuring your home is protected against the elements whilst you are away.

Networking Facility - Control your heating from anywhere

Our 12v network thermostats offer you the ability to control your heating centrally, with the use of our TouchPad, by telephone with the TR2 and over the internet from anywhere in the world with our NetMonitor. Take a look at page 15 for more details on our network products.

Keylock Function

Locking the thermostat keypad is an easy way to save energy. Allowing access to only those that require it.

Two Zone Models

Two zone versions of the PRT-TS and PRT-NTS are available (PRT2-TS and PRT2-NTS), ideal for bedrooms with ensuite. Zone one uses the built in air sensor whilst zone two uses the remote sensor probe provided. The remote sensor probe can be placed inside our sensor housing featured on page 18.

	230v Models			12v Network Models				230v Air/Floor Models	
	DT-TS	PRT-TS	PRT/HW-TS	DT-NTS	PRT-NTS	PRT/HW-NTS	PRT-ENTS	DT-ETS	PRT-ETS
Temperature Range	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F	05-35°C 05-95°F
5/2 Day Programming Mode	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
7 Day Programming Mode	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
No of Heating Levels	1	4	4	1	4	4	4	1	4
Optimum Start	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
No of HW Times	0	0	4	0	0	4	0	0	0
Holiday Function	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
Keylock Function	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Temperature Hold Function	No	Yes	Yes	No	Yes	Yes	Yes	No	Yes
Temperature Override	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Temperature Override Limit	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frost Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Networking Facility	No	No	No	Yes	Yes	Yes	Yes	No	No
°C / °F Option	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Built In Air Sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Floor Sensing Mode	No	No	No	No	No	No	Yes	Yes	Yes
Floor Sensor Included	No	No	No	No	No	No	Yes	Yes	Yes
Max Switching Current	3A	3A	3A	3A	3A	3A	3A	13A	13A
Accuracy	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C	+/-1°C
Adjustable Switching Differential	0.5 - 3°C	0.5 - 3°C	0.5 - 3°C	0.5 - 3°C	0.5 - 3°C	0.5 - 3°C	0.5 - 3°C	0.5 - 3°C	0.5 - 3°C
Changeover Output Option	Yes	Yes	Yes	No	No	No	No	No	No
Supply	230v	230v	230v	12v DC	12v DC	12v DC	12v DC	230v	230v
Dimensions	110x100x17mm	110x100x17mm	110x100x17mm	110x100x17mm	110x100x17mm	110x100x17mm	110x100x17mm	110x100x17mm	110x100x17mm
Weight	200g	200g	200g	200g	200g	200g	200g	200g	200g

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Time Clock Series

Our flush mount time clocks are designed to compliment our slimline and touchscreen thermostat series. These models can be used in a standalone or network environment.

Slimline Time Clock

Available in 3 plastic finishes:

Silver

White

Brass

Two ranges

230v Models are designed to work with our UH3 wiring centre and dial thermostat with set back function, providing simple but effective control.

12v Network Models have been designed to work as part of a network system, and can be used in conjunction with our UH1 wiring centre and network products.

No of Zones

A single zone can be controlled on the TM1 series and 4 zones can be controlled on the TM4 series.

No of Switching Times

4 On/Off times are provided on all time clock models, allowing flexible control of your heating system.

From Towel Rails to Lighting

The Time clock models can be used to control anything - not just your heating system. In fact, those using our networking system can control each time clock independently from the TouchPad or over the internet, so it makes sense to use one of our time clocks wherever you want complete control.

On/Off/Constant

A mode select button providing an easy method of switching between permanent on, permanent off or auto (time clock mode) TM4 only.

Countdown Timer

A simple yet useful function that enables the output for the duration of the programmed countdown time.

+ Boost Facility

The programmable boost function allows you to extend the program time, in 30 minute increments - ideal for unscheduled operation of the system.

TouchScreen Time Clock

Available in 3 plastic finishes:

Silver

White

Brass

	230v Models			12v Network Models	
	TM1	TM1-TS	TM4-TS	TM1-N	TM1-NTS
Keypad/TouchScreen	Keypad	TouchScreen	TouchScreen	Keypad	TouchScreen
No of Zones	1	1	4	1	1
5/2 Day Programming Mode	Yes	Yes	Yes	Yes	Yes
7 Day Programming Mode	Yes	Yes	Yes	Yes	Yes
No of Switching Times	4	4	4	4	4
+ Boost Facility	No	No	Yes	No	No
Auto/Off/Constant Facility	No	No	Yes	No	No
Copy Facility	No	No	Yes	No	No
Countdown Timer Function	Yes	Yes	No	Yes	Yes
Holiday Function	Yes	Yes	Yes	Yes	Yes
Keylock Function	Yes	Yes	Yes	Yes	Yes
Manual Override	Yes	Yes	Yes	Yes	Yes
Networking Facility	No	No	No	Yes	Yes
Max Switching Current	3A	3A	3A	3A	3A
Changeover Output Option	Yes	Yes	No	No	No
Supply	230v	230v	230v	12v	12v
Dimensions	98x85x13mm	110x100x17mm	110x100x17mm	98x85x13mm	110x100x17mm
Weight	195g	200g	200g	195g	200g

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Wireless Thermostats

Wiring a conventional thermostat often includes lifting floor-boards or chasing out plaster work. Our wireless thermostats offer an effective alternative, and are the ideal choice for extensions or when you are looking to relocate your thermostat.

Touchscreen Wireless Thermostat Series

Relocate

Many thermostats are sited incorrectly, causing your boiler to come on more than necessary. A wireless thermostat allows you to move your thermostat to a more suitable position, without the need to run additional cables. What's more, our Touchscreen models have a desk stand, enabling you to move the thermostat around the house with you.

Rechargeable Battery (TouchScreen models only)

Our Wireless Touchscreen series incorporate a rechargeable battery, saving money on replacement batteries. A USB recharge cable is provided, and an optional plug-in charger is available.

Fail Safe

A loss of wireless connection could leave your home vulnerable to frost damage. The fail safe function enables the heating for 20% of the time, ensuring the temperature in your home does not drop to dangerous levels.

Slimline Wireless Thermostat Series

Available in plastic finishes:

Silver White

Locking Facility

A simple way to reduce tampering of the system settings, and standard across our wireless thermostat series.

Electric Floor Heating

The electric floor heating models are capable of switching up to 16A and use a floor limiting sensor to protect the floor surface.

	Slimline Wireless Series					Touchscreen Wireless Series				
	Air Only Models			Electric Floor Heating Models		Air Only Models			Electric Floor Heating Models	
	DT-W	PRT-W	PRTHW-W	DT-EW	PRT-EW	DT-WTS	PRT-WTS	PRTHW-WTS	DT-EWTS	PRT-EWTS
Temperature Range	0-35°C 05-95°F	0-35°C 05-95°F	0-35°C 05-95°F	0-35° 05-95°F	0-35°C 05-95°F	0-35°C 05-95°F	0-35°C 05-95°F	0-35°C 05-95°F	0-35°C 05-95°F	0-35°C 05-95°F
5/2 Day Programming Mode	No	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes
7 Day Programming Mode	No	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes
No of Heating Levels	1	4	4	1	4	1	4	4	1	4
Optimum Start	No	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes
No of HW Times	0	0	4	0	0	0	0	4	0	0
Holiday Function	No	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes
Keylock Function	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Temperature Hold	No	Yes	Yes	No	Yes	No	Yes	Yes	No	Yes
Temperature Override	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Frost Protection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
C/F Option	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Built in Air Sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Remote Air Sensor Connection	No	Yes	No	Yes	Yes	No	No	No	No	Yes
Floor Sensing Mode	No	No	No	Yes	Yes	No	No	No	Yes	Yes
Floor Sensor Included	No	No	No	No	No	No	No	No	No	No
Accuracy	1°C	1°C	1°C	1°C	1°C	1°C	1°C	1°C	1°C	1°C
Adjustable Switching Differential	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wireless Fail Safe Function	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Operational Frequency	868 MHz	868 MHz	868 MHz	868 MHz	868 MHz	433 MHz	433 MHz	433 MHz	433 MHz	433 MHz
Operational Radio Range (Open Space)	Up to 100 meters	Up to 100 meters	Up to 100 meters	Up to 100 meters	Up to 100 meters	Up to 100 meters	Up to 100 meters	Up to 100 meters	Up to 100 meters	Up to 100 meters
Power	2 x AAA	2 x AAA	2 x AAA	2 x AAA	2 x AAA	Rechargeable	Rechargeable	Rechargeable	Rechargeable	Rechargeable
Battery Lifetime	Typically 1 Year	Typically 1 Year	Typically 1 Year	Typically 1 Year	Typically 1 Year	Typically 6-8 Months	Typically 6-8 Months	Typically 6-8 Months	Typically 6-8 Months	Typically 6-8 Months
USB Power Lead Included	No	No	No	No	No	Yes	Yes	Yes	Yes	Yes
Mounting Type	Wall	Wall	Wall	Wall	Wall	Wall / Desk Stand	Wall / Desk Stand	Wall / Desk Stand	Wall / Desk Stand	Wall / Desk Stand
Dimensions	85mm (L) x 98mm (H) x 24mm (D)					110mm (L) x 100mm (H) x 20mm (D)				
Compatible Receivers										
RC1-W	Yes	Yes	Yes	No	No	No	No	No	No	No
RC2-W	No	No	No	Yes	Yes	No	No	No	No	No
RC1-WTS	No	No	No	No	No	Yes	Yes	Yes	No	No
RC2-WTS	No	No	No	No	No	No	No	No	Yes	Yes
UH1-W	Yes	Yes	Yes	No	No	No	No	No	No	No

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Wireless Receivers

Our wireless receivers are designed to work with our wireless thermostats (opposite) and are ideally suited to electric and water underfloor heating as well as conventional radiators systems.

Slimline Wireless Thermostat Series

Wireless Receiver for Twin Heating Zones

Part Ref: Heatmiser RC1-W

The RC1-W is our flush mount wireless thermostat receiver. It is capable of controlling 2 heating zones, using our DT-W/PRT-W or 1 heating and 1 hot water zone, using our PRTHW-W.

Wireless Receiver for Electric Underfloor Heating

Part Ref: Heatmiser RC2-W

The RC2- W is our flush mount wireless thermostat receiver designed specifically for electric floor heating. This receiver is designed to work with our DT-EW or PRT-EW thermostat and is supplied with a 3 meter floor limiting sensor.

Touchscreen Wireless Thermostat Series

Wireless Receiver for Twin Heating Zones

Part Ref: Heatmiser RC1-WTS

The RC1-WTS is our flush mount wireless thermostat receiver designed to work with our Touchscreen wireless thermostats. 2 heating zones, using our DT-WTS/PRT-WTS can be controlled or alternatively 1 heating and 1 hot water zone, using our PRTHW-WTS can be controlled from this receiver.

Wireless Receiver for Electric Underfloor Heating

Part Ref: Heatmiser RC2-WTS

The RC2-WTS is our flush mount wireless thermostat receiver designed specifically for electric floor heating. This receiver is designed to work with our DT-EWTS and PRT-EWTS thermostat and is supplied with a 3 meter floor limiting sensor.

Wireless 230v 8 Zone Wiring Centre

Part Ref: Heatmiser UH1-W

The UH1-W is designed to be used in conjunction with our slimline wireless thermostats. The UH1-W provides central switching and is therefore ideally situated next to the underfloor heating manifold. 8 zones can be controlled as well as providing an output for a hot water cylinder. On demand from any zone, a 230v output is provided to switch the relevant zone actuators, underfloor heating pump and valve. A volt free connection is supplied for the boiler, making it compatible with almost all types of boilers. Up to 6 actuators can be connected to each zone. An external aerial is available for use when the UH1-W is being mounted in a metal cupboard or when the wireless signal is restricted.

A software option in the thermostat allows you to configure which zones are underfloor heating and which zones are radiators. Radiator zones will not enable the underfloor heating pump and underfloor heating valve when there is a call for heat.

	Slimline Thermostat Receivers			Touchscreen Thermostat Receivers	
	RC1-W	RC2-W	UH1-W	RC1-WTS	RC2-WTS
Mounting Type	Flush	Flush	Surface	Flush	Flush
Compatible with	DT-W, PRT-W, PRTHW-W	DT-EW, PRT-EW	DT-W, PRT-W, PRTHW-W	DT-WTS, PRT-WTS, PRTHW-WTS	DT-EWTS, PRT-EWTS
No Of Zones	2 Heating Zones or 1 Heating & Hot Water Zone	1 Electric Floor Heating Zone	8 Water Underfloor Heating or Radiator Zones	2 Heating Zones or 1 Heating & Hot Water Zone	1 Electric Floor Heating Zone
Fail Safe Function	Yes	Yes	Yes	Yes	Yes
Power	230v	230v	230v	230v	230v
Relays	2	1	8	2	1
Rating	3A	16A		3A	16A
Optional Extendable Aerial	No	No	Yes	No	No
Operating Frequency	868 MHz	868 MHz	868 MHz	433 MHz	433 MHz
Operating Radio Range (Open Space)	100m	100m	100m	100m	100m
No of Receiver Addresses	32	32	9	10	10
Pump Output	No	No	Yes	No	No
Zone, HW and Pump Output Test Mode	No	No	Yes	No	No
Boiler Enable	No	No	Yes	No	No
HW Cylinder Thermostat Connection	No	No	Yes	No	No
Per Zone UFH or Radiator Selection	No	No	Yes	No	No

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Base Level Water Underfloor Heating / Radiator System

Our base level water underfloor heating system uses our UH3 8 zone wiring centre, flush mount set back thermostats and 4 zone, touchscreen time clock to create a simple yet cost effective solution.

Simple Effective Control

Our base level heating system offers simple but effective control of up to 8 zones*. The UH3 wiring centre is the hub of this system and is designed to work with our 4 channel 230v Time Clock (TM4) and 230v Set Back Thermostat (DS-SB). On board the UH3 are two heating time channels. Each zone allows you to specify which time channel it should follow. Two additional time channel connections are provided for hot water control or other auxiliary devices.

* Additional zones can be controlled with the use of a second UH3.

Set Back Function

The set back function is a simple way of reducing energy costs by automatically reducing the set temperature when the heating is timed to be off. Standard dial thermostats are either on or off according to the time clock controlling the system. A Set Back Thermostat is different. It will follow the temperature set on the dial during the timed period and will automatically reduce the set temperature by 4˚C when its timed to be off.

Simple Connectivity

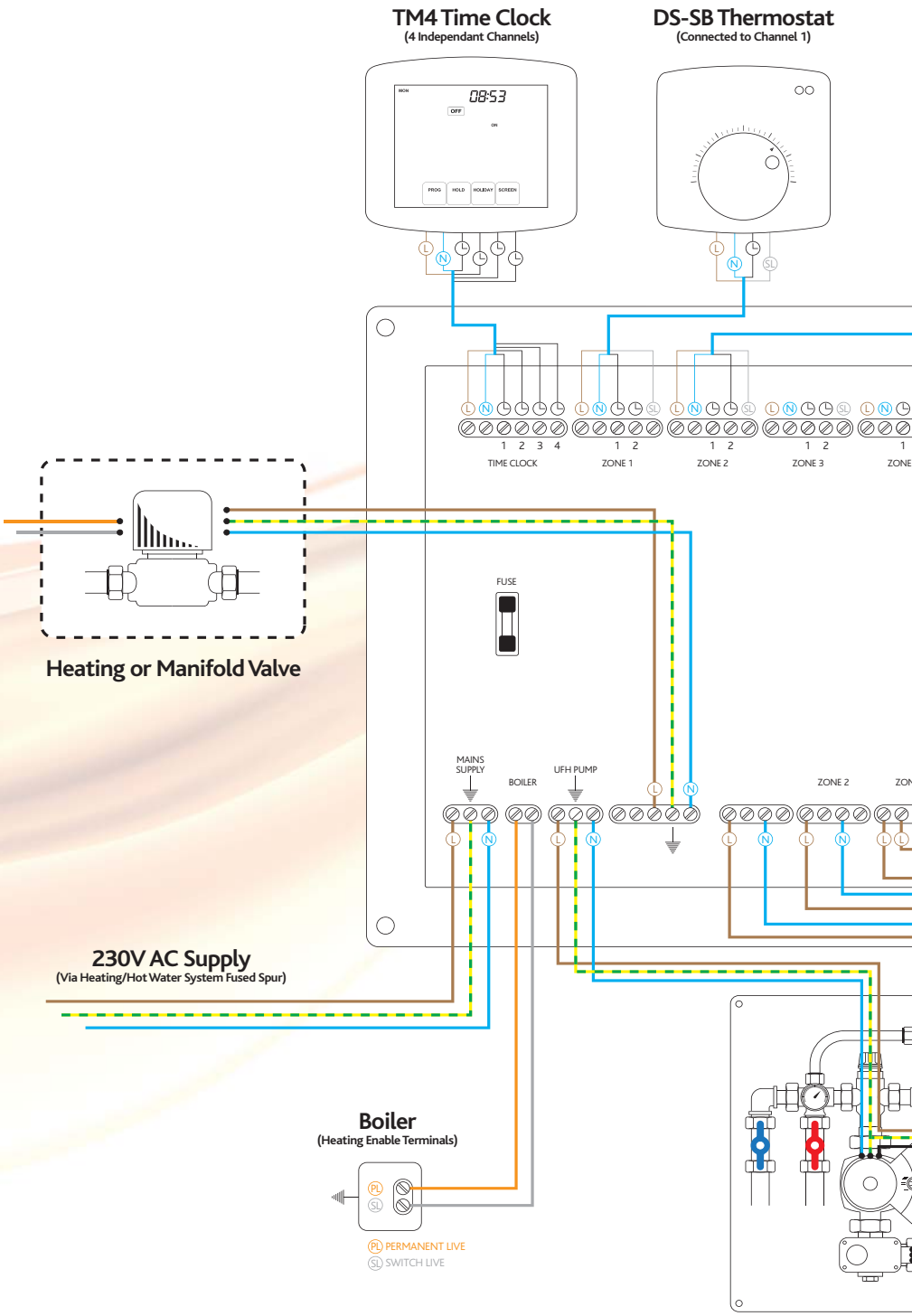
The UH3 allows the connection of up to 8 230v room thermostats. On demand from any zone, a 230v output is provided to switch the relevant zone actuator, underfloor heating pump and valve. A volt free connection is supplied for the boiler, making it compatible with almost all types of boilers.

Radiator Zone Control

A simple slide switch makes zone 8 suitable for controlling a radiator zone. When used for controlling radiators, zone 8 does not enable the underfloor heating pump, valve and boiler.

Neon Indication Window

A window is provided on the UH3 allowing you to see the power, zone, boiler and valve status without the need to remove the cover.

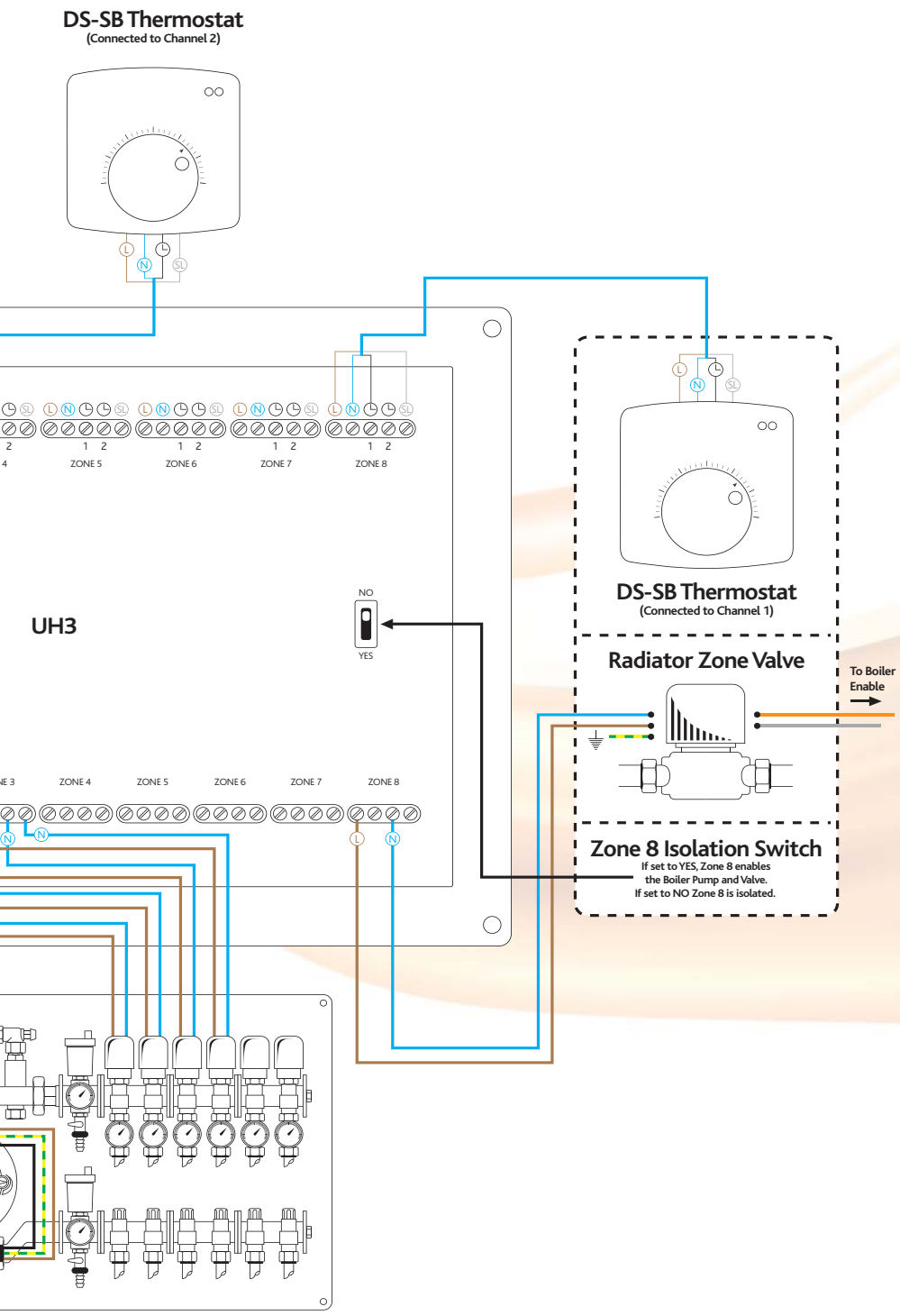


Providing

- Wiring centre, controlling up to 8 zones
- 4 Zone Master Time Clock
- 230v Set Back Thermostat in each room

Product List

- 8 Zone Wiring centre
  Part Ref: Heatmiser UH3 (See page 14)
- 4 Zone Time Clock
  Part Ref: Heatmiser TM4 (See page 5)
- Set Back Thermostat
  Part Ref: Heatmiser DS-SB (See page 2)



UFH Manifold
(Using 230v Actuators)

Standard Products

8 Zone Wiring Centre
Part Ref: Heatmiser UH3

4 Zone Time Clock
Part Ref: Heatmiser TM4

Set Back Thermostat
Part Ref: Heatmiser DS-SB

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Wireless Water Underfloor Heating / Radiator System

Our wireless system works with our Slimline wireless thermostats and is designed to offer an easy to install and operate system. Communication between the thermostat and wiring centre is achieved by reliable RF (radio frequency) communication, using the 868Mhz frequency band. This means, the installer only needs to wire the boiler, pump and actuator connections, which are normally all local to the wiring centre.

Simple Pairing Process

Up to 9 UH1-W can be used within the same building, allowing control of up to 72 zones. Each UH1-W has an address setting, clearly marked on the PCB. This address, along with the relevant zone number is configured in the thermostat and that's it - a simple to install, setup and operate system.

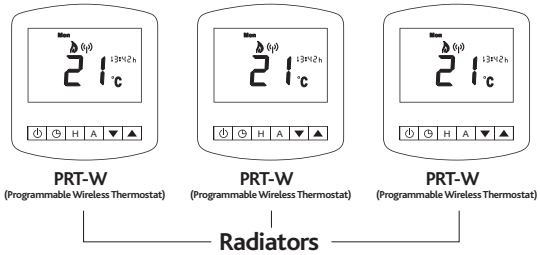
Connectivity

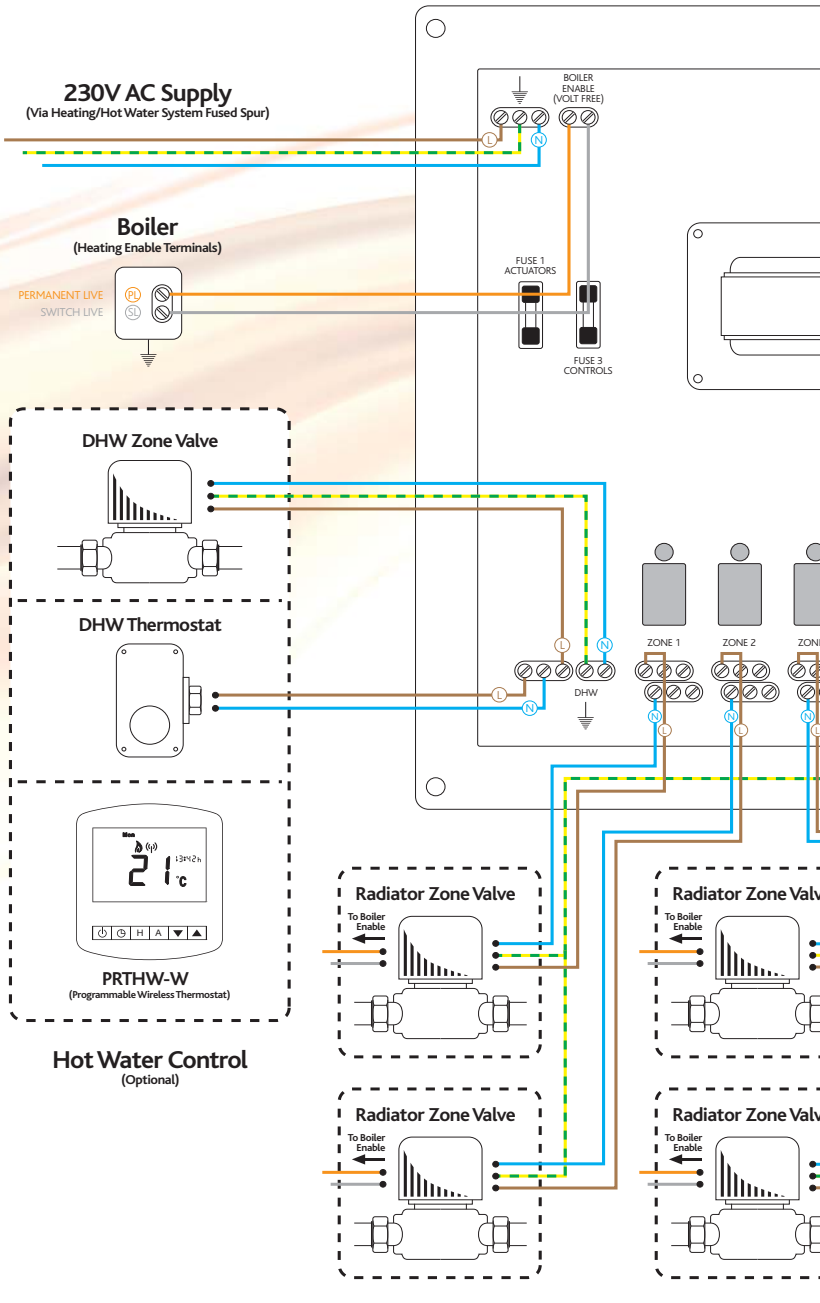
The UH1-W works with up to 8 slimline wireless thermostats. On demand from any zone, a 230v output is provided to switch the relevant zone actuator, underfloor heating pump and valve. A volt free connection is supplied for the boiler, making it compatible with almost all types of boilers.

Standard Products

Wireless 8 Zone Wiring Centre
Part Ref: Heatmiser UH1-W

Wireless Slimline Thermostat
Part Ref: Heatmiser PRT-W



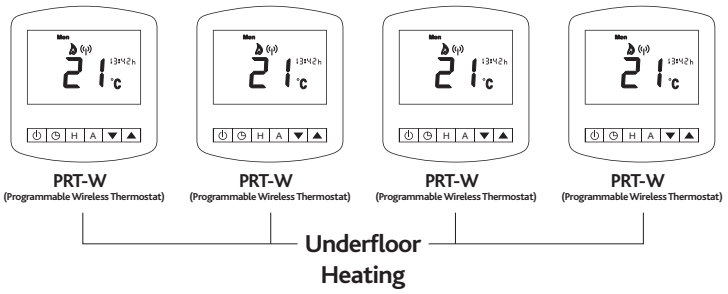


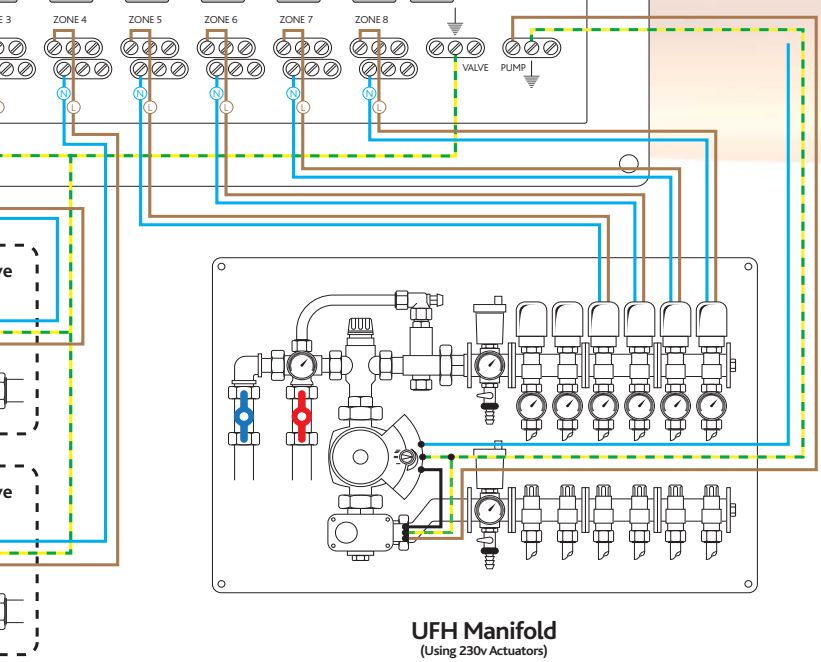
Providing

- Wiring centre, controlling up to 8 zones
- Wireless thermostat in each room

Product List

- 8 Zone Wiring Centre (expandable up to 72 Zones)
  Part Ref: UH1-W
  (See page 7)
- Slimline Wireless Thermostat
  Part Ref: Heatmiser PRT-W
  (See page 6 for complete range)





UFH Manifold
(Using 230v Actuators)

Hot Water Control

The UH1-W also takes care of the hot water. A cylinder thermostat connection and 230v hot water valve output are provided. The PRTHW-W is our heating and hot water model, offering time and temperature control of the heating and time control of the hot water.

Radiator or Underfloor

A software option in the thermostat allows you to configure which zones are underfloor heating and which zones are radiators. Radiator zones will not enable the underfloor heating pump and underfloor heating valve where there is a call for heat.

External Aerial

Should the UH1-W be installed in a metal cupboard or where the RF signal is weak, an external aerial can be used. This 3 meter long aerial is equipped with a magnetic base for simple installation.

Optional Products

External Aerial
Part Ref: EA1

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Deluxe Level Water Underfloor/Radiator Heating System

Our deluxe system uses our 12v Network Thermostats to create a truly flexible and expandable system. It offers the ability to control your heating centrally, with the TouchPad, and remotely with the use of the NetMonitor, PCLink or TR2.

Complete Network Control

Our deluxe heating system offers control of up to 32 zones. What's more, it provides the ability to control the entire heating system centrally, with the TouchPad, or from anywhere in the world with the NetMonitor. Designed to be used in conjunction with our Slimline or TouchScreen 12v Network thermostats, our deluxe heating system really is a complete package for those wanting superior control of their heating system.

Simple Connectivity

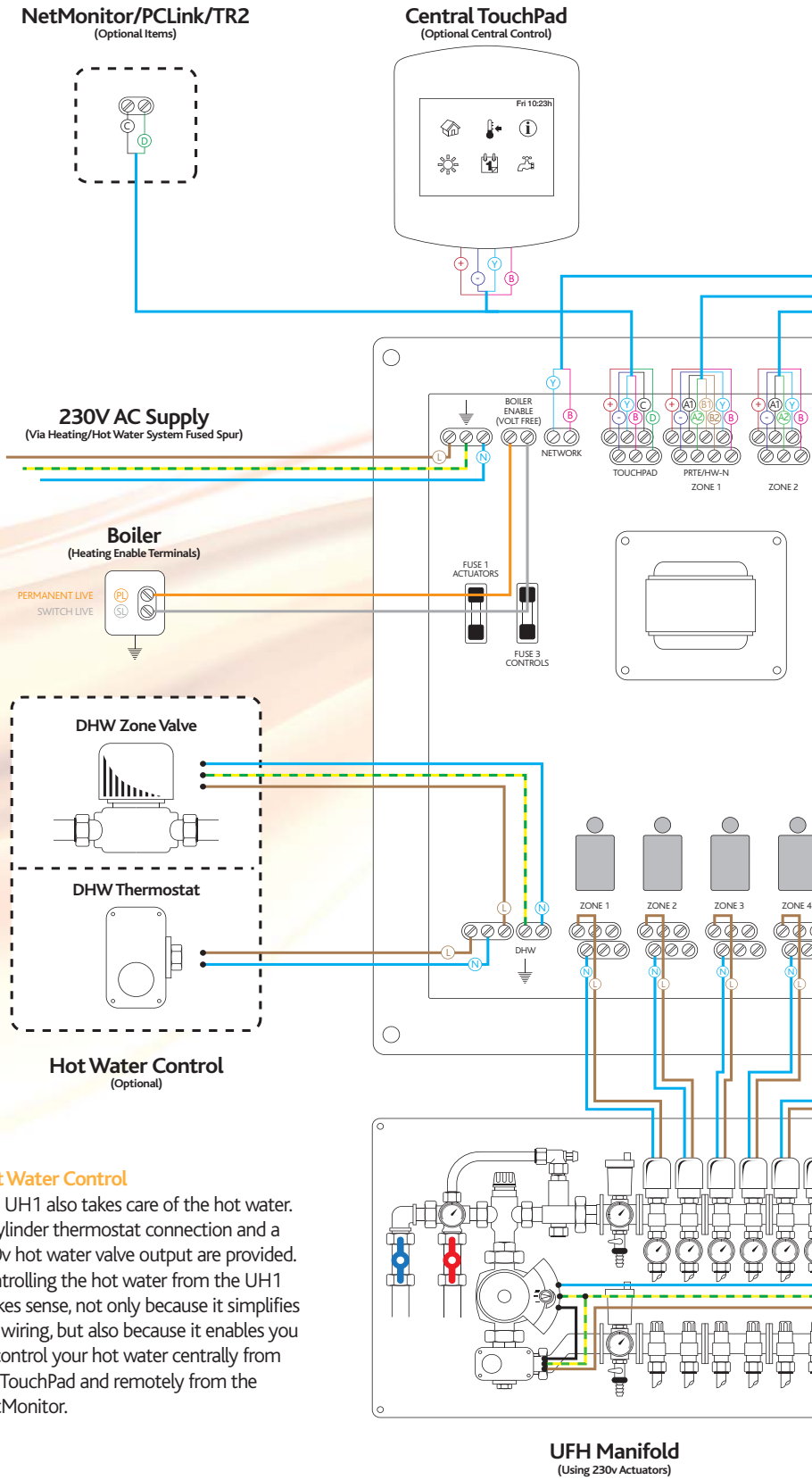
The UH1 allows the connection of up to 8 12v Network Thermostats. On demand from any zone, a 230v output is provided to switch the relevant zone actuator, underfloor heating pump and valve. A volt free connection is supplied for the boiler, making it compatible with almost all types of boilers.

Standard Products

8 Zone Wiring Centre
Part Ref: Heatmiser UH1

Slimline Thermostat
Part Ref: Heatmiser PRT-N

TouchScreen Thermostat
Part Ref: Heatmiser PRT-NTS



Hot Water Control

The UH1 also takes care of the hot water. A cylinder thermostat connection and a 230v hot water valve output are provided. Controlling the hot water from the UH1 makes sense, not only because it simplifies the wiring, but also because it enables you to control your hot water centrally from the TouchPad and remotely from the NetMonitor.

Providing

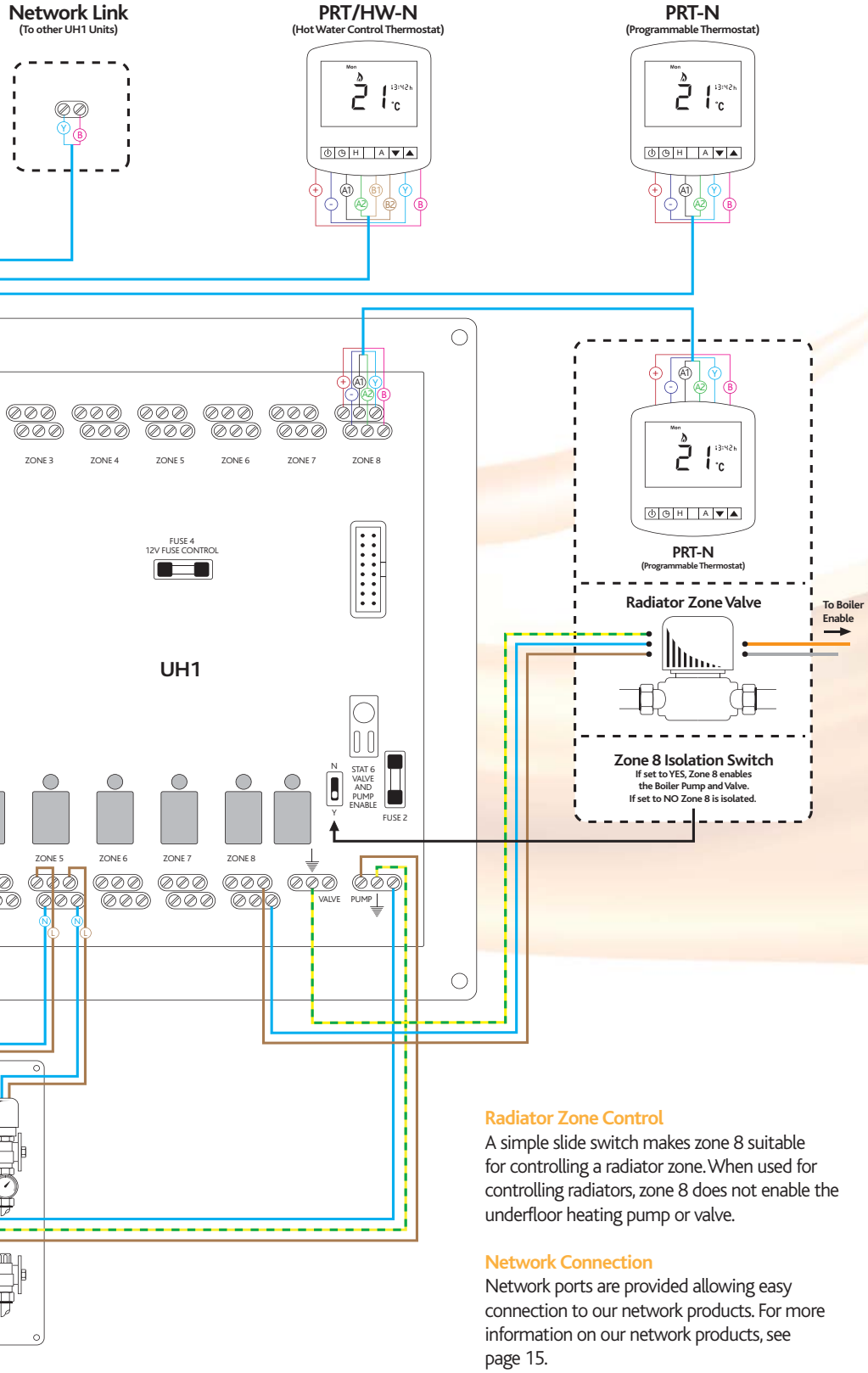
- Wiring centre, controlling up to 8 zones
- 12v Programmable Thermostats in each room
- Optional Central Control and Internet Access

Product List

- 8 Zone Wiring Centre (expandable up to 32 Zones)
  Part Ref: Heatmiser UH1 (See page 14)
- Slimline Thermostat
  Part Ref: Heatmiser PRT-N (See page 3 for complete slimline range)
- TouchScreen Thermostat
  Part Ref: Heatmiser PRT-NTS (See page 4 for complete touchscreen range)

Cable Type

- Belden 9538 or Cat5(e)-ftp



Radiator Zone Control

A simple slide switch makes zone 8 suitable for controlling a radiator zone. When used for controlling radiators, zone 8 does not enable the underfloor heating pump or valve.

Network Connection

Network ports are provided allowing easy connection to our network products. For more information on our network products, see page 15.

Optional Products

Central Control
Part Ref: Heatmiser TouchPad

Internet Control
Part Ref: Heatmiser NetMonitor

Telephone Control
Part Ref: Heatmiser TR2

Computer Control
Part Ref: Heatmiser PCLink

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Central Wiring Switch Boxes

Our central wiring switch boxes have been designed to simplify the wiring process. Using the UH1, UH2 or UH3 in your application means that the actuator, boiler and pump connections are wired from a single point.

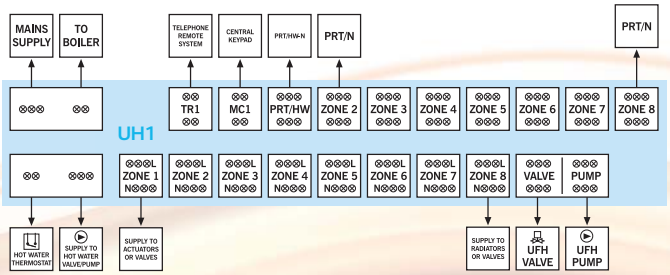
12v Network Thermostat Wiring Centre

Part Ref: Heatmiser UH1

The UH1 is designed to be used in conjunction with our 12v network thermostats. The UH1 provides central switching and is therefore ideally situated next to the underfloor heating manifold. 8 zones can be controlled as well as providing an output for a hot water cylinder. On demand from any zone, a 230v output is provided to switch the relevant zone actuators, underfloor heating pump and valve. A volt free connection is supplied for the boiler, making it compatible with almost all types of boilers.. Up to 6 actuators can be connected to each zone.

An option is provided to turn zone 8 into a radiator zone. In this mode the underfloor heating pump, valve and boiler are not enabled when there is a call for heat from zone 8.

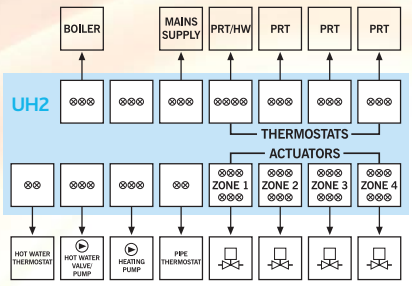
The UH1 provides a network port allowing connection to our network products, including the central Touch Pad, NetMonitor and PCLink.



230v 4 Zone Wiring Centre

Part Ref: Heatmiser UH2

The UH2 can be used in conjunction with our mains thermostats. The UH2 provides central switching of up to 4 zone actuators as well as providing an output for a hot water cylinder and the heating system boiler and pump. When used for underfloor heating, an option is available to use zone 4 for conventional radiator control. Up to 6 actuators can be connected to each zone.



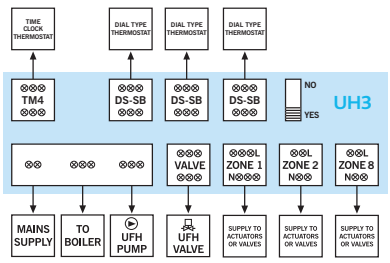
230v 8 Zone Wiring Centre

Part Ref: Heatmiser UH3

The UH3 is designed to work with our 4 channel 230v time clock (TM4) and 230v Set back thermostat (DS-SB) but equally could be used with any 230v room thermostat. Up to 8 zones can be controlled from the UH3. On board the UH3 are two heating time channels, each zone allows you to specify which time channel it should follow. 2 additional time channel connections are provided for hot water control or other auxiliary devices.

On demand from any zone, a 230v output is provided to switch the relevant zone actuator, underfloor heating pump and valve. A volt free connection is supplied for the boiler, making it compatible with almost all types of boilers.

A simple slide switch makes zone 8 suitable for controlling a radiator zone. When used for controlling radiators, zone 8 does not enable the underfloor heating pump, valve and boiler. Up to 4 actuators can be connected to each zone.



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Network Products

Designed to work with our 12v Network Thermostats, the Heatmiser Touch Pad provides central control of your home heating system whereas the TR2 allows you to control your heating system remotely via telephone.

Features	
Display	Colour TouchScreen (58x77mm)
Max No of Zones	32
Titles	Give each room a title
Home / Away Function	A simple way to turn your heating system off whilst you are away. On your return, pressing Home will re-enable the system. Ideal when you have a holiday home and are not sure when you will return
Temperature Hold	Use this function to hold a desired temperature for a fixed period. Ideal for unexpected activities. Apply to a single or multiple rooms
Program Each Thermostat	Program the comfort levels for each thermostat
Holiday	Use the holiday function to put the heating into frost mode whilst you are away. At the end of the holiday, each room will revert back to its programmed time, ensuring your home is warm on your return
Copy Facility	Save time - copy comfort levels between rooms
Hot Water Boost	Use the Hot water boost to quickly override the hot water settings
Quick View	See at a glance the current thermostat status throughout your building
Auto Time Sync	Synchronises all of the thermostat clocks on the network
Auto GMT Correction	Automatically corrects the time for Summer/Winter time
History	View the hours run for the past 4 weeks and the temperature history for the past 24 hours
Key Lock	Lock each thermostat to prevent misuse
Passcode Protect	When enabled, the user must enter a passcode in order to access the system

Central Control

Part Ref: Heatmiser Touch Pad

The Heatmiser TouchPad gives central control of your home heating system. It is designed to work in conjunction with the UH1 wiring centre and 12v network thermostats. The TouchPad is an optional extra, but for properties with a large number of rooms, it really is a time saver!
One useful function is the ability to place all of the rooms into holiday mode - something you wouldn't necessarily do if you had to walk around each room.

Telephone Remote System

Part Ref: Heatmiser TR2

The Heatmiser TR2 gives you the ability to control your home heating system from your landline or mobile.

By calling your home and using your telephone keypad, you can:
- Set a desired temperature in each room
- Turn your heating on or off
- Turn the auxiliary output on or off

Other features include:
- Read back facility
- Control of a single auxiliary device
- Distinctive Ring Compatible
- Power Adaptor Supplied

Read Back Facility This feature allows you to request status information from your TR2. The status information is read back to you... for example, "The set temperature is now 22".

Other read back information includes:
- Set Temperature
- Actual Room Temperature
- Heating Output Status
- Hot water Output Status

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Internet Control

The Heatmiser NetMonitor is a self contained unit allowing you to control your heating over the internet from any web browser. Simply plug the NetMonitor in to your router and take complete control!

NetMonitor

Part Ref: Heatmiser NetMonitor

The Heatmiser NetMonitor allows you to take control of your home heating system over the internet from any web browser - no additional software is required on your PC†.

Group Feature

The NetMonitor is all about saving you time and the Group feature plays a large part in achieving this goal. One example of this could be a group consisting of all the bedrooms within your home.

Adding all of the bedrooms to this group allows you to quickly and easily set the bedroom comfort levels, enable a temperature hold, place all of the rooms into set back mode and much more.

Live View

The NetMonitor has an innovative Live View display, giving you an instant overview of the room selected.

Alarm Facility

Receive an email or SMS* when any of the 6 alarms are triggered. In addition, you can setup how each alarm is handled, for example when an alarm is triggered a relay output could be enabled.

Temperature Sensors

6 temperature sensors can be connected to the NetMonitor. The NetMonitor can be programmed to notify you by email or SMS* should any sensor drop or rise above the programmable temperature limit.

* SMS functions are only available on the NetMonitor + (SIM Card not included).
† For remote internet access, you will need a fixed IP address or a router with Dynamic DNS facility.

Features	
Max No of Zones	32
Titles	Each room can be given a title
Home / Away Function	A simple way to turn your heating system off whilst you are away. On your return, pressing Home will re-enable the system. Ideal when you have a holiday home and are not sure when you will return
Program Each Thermostat	Program the comfort levels for each thermostat
Temperature Hold	This function allows you to hold a desired temperature for a certain period, ideal for unexpected activities. Apply to a single or multiple rooms
Key Lock	Lock each thermostat to prevent misuse
Alarm Facility	6 Alarm inputs are provided and can be used to trigger an email. SMS* and relay output
Sensor Facility with High/Low Limits	6 Remote sensors can be connected and can be setup to trigger an email/SMS* and relay output if the temperature limit is reached
Outputs	6 12v Outputs are provided and can be used to enable auxiliary devices

NetMonitor +

Part Ref: Heatmiser NetMonitor +

The NetMonitor + allows you to control your heating system via SMS.

Functions include:

- Home / Away (Places your system into set back mode)
- Set a temperature in individual rooms or to all rooms
- Turn the Hot water on or off
- Request the actual and set temperature status from any room
- Receive Alarm Notifications
- Enable or Disable any of the 6 outputs

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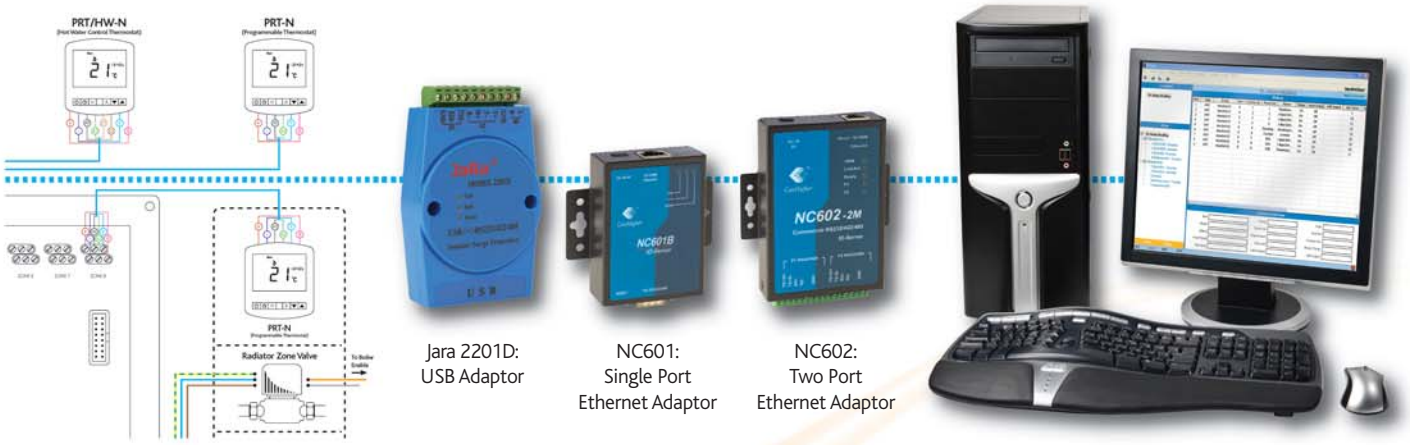
PCLink

PCLink is our Windows based program allowing you to take control of your heating thermostats from your PC. Easily view and amend your thermostat settings for your entire heating system.



Jara 2201D: USB Adaptor

NC601: Single Port Ethernet Adaptor

NC602: Two Port Ethernet Adaptor

Features

Temperature View
See at a glance the actual and set temperature for each thermostat throughout your building. A table view is available, providing you a complete overview for all thermostats on the system.

Program Comfort Levels
Program the comfort levels for each thermostat on the network. PCLink automatically detects if the thermostat is operating in 5/2 (Weekday/Weekend) or 7 day mode and adjusts accordingly.

Temperature Logging with Excel Export
There has never been a more important time to monitor your energy usage. The temperature logging feature in PCLink records the actual temperature from each thermostat according to the adjustable recording interval. This data can be exported to Excel for further analysis.

Override Feature
Quickly override the set temperature for any thermostat. The thermostat will revert back to its program at the start of the next programmed comfort level.

Keylock
Lock the keypad remotely to prevent unauthorised alteration of the thermostat settings. This function is a simple but effective measure to reduce energy costs.

Holiday
Program a holiday period for all or selected thermostats. In this mode, each thermostat selected will provide frost protection.

Copy Facility
Reduce programming time of the system with the use of the copy facility. The copy facility allows you to copy comfort levels between thermostats.

Compatibility
PCLink is compatible with our 12v network thermostats.

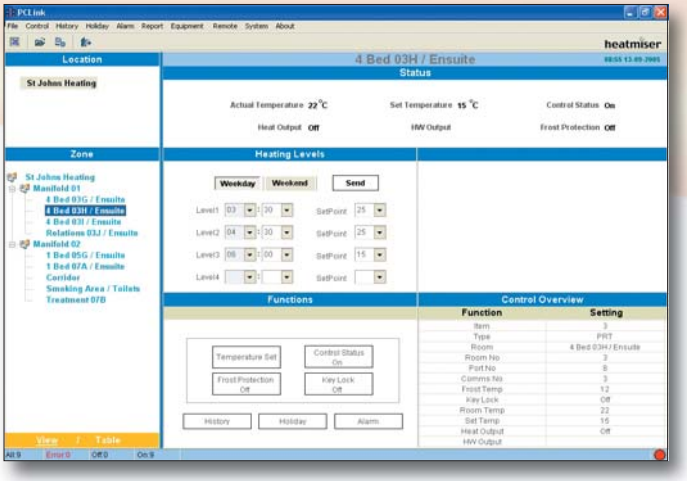
Versions
PCLink Lite
A maximum of 32 thermostats can be controlled from PCLink Lite.

PCLink Professional
Allows for connection of up to 900 thermostats.

Connection Methods
Jara 2201D - USB Adaptor allowing direct connection to a single PC. Up to 32 thermostats can be connected to this adaptor.

NC601 - Ethernet Adaptor allowing local and internet connection. Up to 32 thermostats can be connected to this adaptor.

NC602 - Ethernet Adaptor allowing local and internet connection. Up to 64 thermostats can be connected to this adaptor.



View a specific thermostat in detail, with the ability to amend settings easily.

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Accessories

Our range of accessories are designed to compliment the other products featured in this brochure.

12v Power Supply Unit

Part Ref: Heatmiser PS1

The Heatmiser PS1 is our 12v power supply designed to power our low voltage thermostats. Up to 16 thermostats can be powered by the PS1.

Sensor Housing

Part Ref: Heatmiser EN030

This sensor housing is ideal for use in ensuites to house the remote sensor probe. The remote sensor probe is then wired back to the thermostat installed in the corridor or adjacent rooms.

Powered Relay Card

Part Ref: Heatmiser PRC

The powered relay card is designed for use with our 12v network thermostats. A 12v DC output is provided to power the thermostats as well as 2 volt free switch outputs.

In-Line Wax Valve

Part Ref: VAL-012

This valve is designed to cut into the pipe-work leading to the radiator to give independent control of each radiator. It is intended to be used in conjunction with the UH1 wiring centre and low voltage thermostats.

Remote Sensor Probe

Part Ref: Heatmiser MISC103

This remote sensor probe can be used to measure air and floor temperature. This probe is supplied with a 3 meter cable which can be extended to 20 meters if required.

Infrared Remote Control

Part Ref: Heatmiser RM1

The Heatmiser RM1 gives the user remote control of the set temperature.

- LCD shows set temperature
- On/Off Button
- Temperature Limit 18-35°C
- Range - Line of Sight

Compatible with Slimline Thermostat Series.

External Aerial

Part Ref: EA1

Our external aerial is designed to work with our UH1-W Wireless Receiver. Radio Frequency (RF) communication is affected by metal objects and so this external aerial is ideal for those installation where the UH1-W will be installed in a metal cupboard. It is also perfect for extending the RF coverage within your property.

Slimline Wireless Repeater

Part Ref: WR1

The WR1 is our 230V powered wireless repeater, designed to work with our slimline wireless thermostats. The wireless repeater can be used to extend the communication distance between thermostat and receiver. It is compatible with the slimline wireless thermostats and the UH1, RC1-W and RC2-W receivers.

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Fan Thermostats

From the surface mount DS-FC to the flush mount HC, our fan thermostats offer great functionality and have been designed with simplicity in mind.

Flush Mount

Digital Fan Thermostat

The Heatmiser HC is our digital fan thermostat offering three modes of operation, ideal for 2 and 4 pipe heating and cooling systems. In addition, it provides a three speed fan output which can be set to manual or automatic mode.

Fan Speed Control

Auto, High, Medium and Low fan speed is available on the Heatmiser HC.

Slimline Design

The Heatmiser HC thermostat is flush mount, resulting in a depth of only 13mm after installation.

Heat/Cool/Auto Mode

The Heatmiser HC can operate in Heating, Cooling or Automatic mode. In automatic mode, the thermostat will automatically switch between heating and cooling according to the desired set temperature. A deadband setting is introduced in this mode to prevent a conflict between heating and cooling.

Available in 3 plastic finishes:

Silver White Brass

Surface Mount

Dial Type Fan Thermostat

The Heatmiser DS-FC is our dial type, surface mount fan thermostat with manual heat mode selection.

Mode Selection

Slide switch selection between Heat & Cool.

Fan Speed Selection

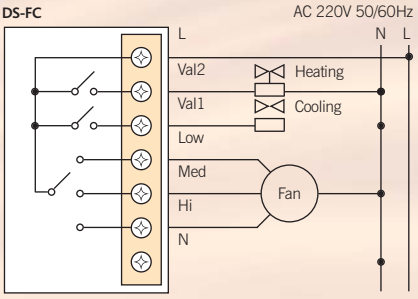
Slide switch selection between high, medium and low fan speed.

Output On Indication

LED indication quickly shows whether the output is on.

Thermistor Based Technology

Accuracy is ensured by using the latest NTC thermistor technology.



Features	DS-FC	HC	HC-N
Mounting Type	Surface	Flush	Flush
Digital LCD	No	Yes	Yes
LED Indication	Yes	No	No
Temperature Range	05-30°C	05-35°C	05-35°C
Programmable Model (4 Switching times Weekday/Weekend)	No	Yes	Yes
Heating & Cooling Control	Yes	Yes	Yes
Automatic Heat/Cool Changeover with Deadband	No	Yes	Yes
3 Speed Manual Fan Control	Yes	Yes	Yes
3 Speed Auto Fan Control	No	Yes	Yes
Keylock Facility	No	Yes	Yes
Communication Facility	No	No	Yes
Switching Differential	+/- 1	+/- 1	+/- 1
Supply	230v	230v	12v
Switching Load	3A	3A	3A

Distributor:

Reflecting our policy of continued research and development, we reserve the right to modify the specification of our products at any time without prior notice.

WEEE Registration Number: WEE/GF0052TQ

Heatmiser UK Ltd
Primrose House, Primrose Street
Darwen, Lancashire BB3 2DE
Tel: 01254 776343
Fax: 01254 704143
Email: office@heatmiser.co.uk
Web: www.heatmiser.co.uk

Designed and produced by CDM - 01254 777752